

**M.Sc. (MATHEMATICS WITH APPLICATIONS  
IN COMPUTER SCIENCE)  
M.Sc. (MACS)**

**Term-End Practical Examination**

**June, 2016**

**MMTE-004 (P) : COMPUTER GRAPHICS**

*Time : 1½ hours*

*Maximum Marks : 40*

*Note : There are two questions in this paper totalling 30 marks.  
Answer both of them. Remaining 10 marks are for the  
viva - voce.*

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1. Write a C - program to draw alphabets 't' and 'w' with regular font type and italic font type using multiple Bezier Curves. Use an appropriate transformation to get the italic font type from the regular font type. **15**
  
2. Write a C - program to generate a composite matrix for general 3D rotation matrix. Test your code and rotate continuously a cube of side 10 cm about an axis passing through the points (1, 0, 1), (1, 3, 1). **15**